

In the Claims

The following amendments are made with respect to the claims in the international application PCT/US2005/023426 attached to the Submission of Amendment under Article 34(2)(b). Therefore, please replace existing pages 32-35 of the international application with the amended claim sheets (replacement pages 32-34) provided with the Submission of Amendment under Article 34(2)(b), and make the following amendments to the pending claims so that they read as follows:

Claims 1-21 (Cancelled)

Claim 22 (New): A method for controlling a leafhopper population with an insect growth regulator (IGR), comprising:

contacting said leafhopper population with said IGR; and
affecting the reproductive system of a female leafhopper while in diapause, thereby controlling said leafhopper population.

Claim 23 (New): A method for controlling a leafhopper population, wherein said leafhopper population is a glassy-winged sharpshooter (*Homolodisca coagulata*) population comprising:

contacting said glassy-winged sharpshooter population with an insect growth regulator (IGR); and
affecting the reproductive system of a female leafhopper, wherein said female leafhopper is a female glassy-winged sharpshooter, thereby controlling said glassy-winged sharpshooter population.

Claim 24 (New): The method of claim 22, wherein said IGR is a juvenile hormone analog.

Claim 25 (New): The method of claim 24, wherein said juvenile hormone analog is selected from the group consisting of epofenonate, fenoxycarb, hydroprene, kinoprene, methoprene, pyriproxyfen, triprene, and a combination of two or more of the foregoing.

Claim 26 (New): The method of claim 25, wherein said juvenile hormone analog is selected from the group consisting of methoprene, kinoprene, and hydroprene.

Claim 27 (New): The method of claim 26, wherein said juvenile hormone analog is methoprene.

Claim 28 (New): The method of claim 23, wherein said female glassy-winged sharpshooter is in diapause.

Claim 29 (New): The method of claim 23, wherein said female glassy-winged sharpshooter is a newly enclosed adult glassy-winged female.

Claim 30 (New): The method of claim 24, wherein said female leafhopper is reproductively active.

Claim 31 (New): The method of claim 24, wherein oviposition of said female leafhopper is suppressed or eliminated.

Claim 32 (New): The method of claim 24, wherein said juvenile hormone analog interferes with oviposition of said female leafhopper.

Claim 33 (New): The method of claim 22, wherein said female leafhopper is a sharpshooter.

Claim 34 (New): The method of claim 33, wherein said female sharpshooter is a glassy-winged sharpshooter (*Homolodisca coagulata*).

Claim 35 (New): The method of claim 22, wherein said IGR is formulated in a formulation selected from the group consisting of a liquid, a spray, a dust, a granule, and an aerosol.

Claim 36 (New): The method of claim 22, wherein contacting said leafhopper population is by means selected from the group consisting of spraying, dusting, and sprinkling.

Claim 37 (New): The method of claim 24, wherein said juvenile hormone analog is applied to any part of a plant.

Claim 38 (New): The method of claim 22, further comprising applying at least one additional pesticidal agent wherein said additional pesticidal agent is not a juvenile hormone analog.

Claim 39 (New): A method for controlling a leafhopper population during diapause, comprising contacting said leafhopper population with an insect growth regulator (IGR) during diapause, wherein said IGR affects oviposition of a female leafhopper to thereby control said leafhopper population.

Claim 40 (New): The method of claim 39, wherein said IGR is a juvenile hormone analog.

Claim 41 (New): The method of claim 39, wherein said juvenile hormone analog is selected from the group consisting of epofenonate, fenoxycarb, hydroprene, kinoprene, methoprene, pyriproxyfen, triprene, and a combination of two or more of the foregoing.

Claim 42 (New): The method of claim 39, wherein said female leafhopper is a glassy-winged sharpshooter (*Homolodisca coagulata*).